

REC'D JAN 20 2005

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 788-20 PCT	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US 02/06141	International filing date (day/month/year) 28/02/2002	(Earliest) Priority Date (day/month/year) 28/02/2001

Applicant

RESEARCH FOUNDATION OF STATE UNIVERSITY OF N.Y..

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

- the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- contained in the international application in written form.
 - filed together with the international application in computer readable form.
 - furnished subsequently to this Authority in written form.
 - furnished subsequently to this Authority in computer readable form.
 - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
 - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

4. With regard to the title,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

1b None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/06141

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61B8/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B G01N G01S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>LAUGIER P ET AL: "Ultrasound images of the os calcis: a new method of assessment of bone status" ULTRASONICS SYMPOSIUM, 1993. PROCEEDINGS., IEEE 1993 BALTIMORE, MD, USA 31 OCT.-3 NOV. 1993, NEW YORK, NY, USA, IEEE, 31 October 1993 (1993-10-31), pages 989-992, XP010114843 ISBN: 0-7803-1278-3 the whole document</p> <p>---</p> <p style="text-align: center;">-/--</p>	1,2, 10-13, 21,23, 26,28,29



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

20 September 2002

Date of mailing of the international search report

07/10/2002

Name and mailing address of the ISA
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Authorized officer

Manschot, J

INT'L NATIONAL SEARCH REPORT

International Application No

PCT/US 02/06141

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LAUGIER P ET AL: "Ultrasound parametric imaging of bone in vivo" ULTRASONICS SYMPOSIUM, 1995. PROCEEDINGS., 1995 IEEE SEATTLE, WA, USA 7-10 NOV. 1995, NEW YORK, NY, USA, IEEE, US, 7 November 1995 (1995-11-07), pages 1137-1140, XP010157487 ISBN: 0-7803-2940-6 the whole document ---	1,2,10, 13,21, 23,26, 28,29
A	HADJI ET AL.: "Quantitative ultrasound of os calcis in postmenopausal women with spine and hip fractures" JOURNAL OF CLINICAL DENSITOMETRY, vol. 3, no. 3, 2000, pages 233-239, XP008008412 "page 234: "Materials and Methods" ---	1,2, 10-13, 18-21, 26-30
A	US 6 027 449 A (WIENER SCOTT A ET AL) 22 February 2000 (2000-02-22) column 20, line 22 - line 58 column 27, line 44 -column 29, line 21 ---	1,2,5-8, 10-13, 21,23, 24,26-30
A	US 5 218 963 A (MAZESS RICHARD B) 15 June 1993 (1993-06-15) column 9, line 45 -column 64; claim 1 -----	1,2, 15-17, 21,26,27

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-29

Determination of a bone property by using confocal ultrasound transducers with high resolution

2. Claim : 30

calculating a bone quality index

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 02/06141

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INT'L NATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/US 02/06141

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6027449	A	22-02-2000	US 5840029 A US 5603325 A US 5483965 A US 5343863 A US 5119820 A US 5054490 A US 4930511 A US 6277076 B1 US 6364837 B1 US 2001020128 A1 EP 0856284 A1 AU 4742596 A EP 0957768 A1 WO 9639080 A1 EP 0607377 A1 JP 6509736 T US 5349959 A WO 9325146 A1 US 5042489 A AU 609686 B2 AU 3467289 A CA 1323090 A1 DE 68929055 D1 DE 68929239 D1 DE 68929239 T2 EP 0341969 A2 EP 0721765 A2 EP 0728443 A2 EP 0920832 A2 FI 892282 A IL 90263 A IL 111980 A JP 2104337 A JP 2885377 B2 KR 149847 B1 US 5099849 A	24-11-1998 18-02-1997 16-01-1996 06-09-1994 09-06-1992 08-10-1991 05-06-1990 21-08-2001 02-04-2002 06-09-2001 05-08-1998 24-12-1996 24-11-1999 12-12-1996 27-07-1994 02-11-1994 27-09-1994 23-12-1993 27-08-1991 02-05-1991 23-11-1989 12-10-1993 16-09-1999 14-09-2000 25-01-2001 15-11-1989 17-07-1996 28-08-1996 09-06-1999 12-11-1989 15-04-1997 17-08-1999 17-04-1990 19-04-1999 30-03-1999 31-03-1992
US 5218963	A	15-06-1993	NONE	